

ABSTRACT OF THE DISCLOSURE

A semiconductor laser module includes: a semiconductor laser element which emits laser light; a waveguide-type optical wavelength selection element which includes an optical waveguide, and selects a first portion of the laser light having a predetermined wavelength; and an optical wavelength conversion element which converts a second portion of the laser light having the predetermined wavelength to wavelength-converted laser light having a converted wavelength. The semiconductor laser element, the waveguide-type optical wavelength selection element, and the optical wavelength conversion element are coupled. The semiconductor laser element contains a multiple-quantum-well active layer including a plurality of quantum-well sublayers, where one of the plurality of quantum-well sublayers is different from another of the plurality of quantum-well sublayers in thickness and/or composition.

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